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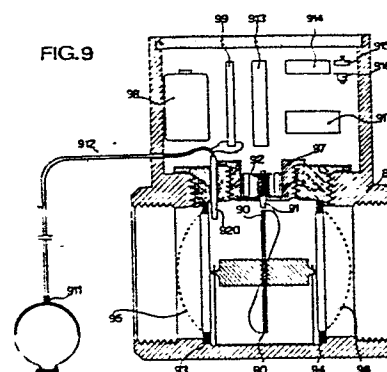
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54 A dynamic calorimeter for fluids with a self feeding electronic processor insensitive to the flow of external magnetic fields.

57 A dynamic calorimeter for fluids constituted by a main body (80) containing a meter of volume of the fluid running in it, by a differential thermic probe of which an incorporated element and an external one (911), by a transformer of these data in current and electric impulses, by a processing electronic station of the data of volume and of difference of temperature and by a displayer of the result with luminous numerals making a single body with meter the whole not exceeding at a minimum the dimensions of a normal hydraulic sluice by 3/4 inch (119mm). It is described how the electronic part may be fed from the outside (transformer 31) or self fed making use of the kinetic energy of the fluid running in it and how the impulses for the counter may be obtained by means of an oscillator with radio frequency not influenced by external magnetic fields.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
X,Y	DE-A-2 613 111 (HELIOWATT WERKE) * Whole document *	1-3,5,6	G 01 K 17/16
Y	--- US-A-3 377 556 (CORCORAN) * Figures 1-3; column 2, line 58 - column 5, line 4 *	1,4	
Y	--- CONTROL & INSTRUMENTATION, vol. 3, no. 8, September 1971, pages 63-65, London, GB. C.L. SMITH: "Measuring air speed by electronic vane anemometer" * Figure 1; page 63, right-hand column, line 8 - page 64, right-hand column, line 51 *	1,4	
Y	--- GB-A-2 020 817 (NIPPON ELECTRIC CO. LTD.) * Figures 1-3; page 1, ligne 99 - page 2, ligne 107 *	1-3,9	TECHNICAL FIELDS SEARCHED (Int. Cl. ³) G 01 K G 01 F G 01 P
A	--- GB-A-2 050 660 (BENES) * Figures 1,4; page 1, line 93 - page 3, line 42 *	1-3	
A	--- US-A-3 128 624 (WESP) * Figures 1-4; column 3, line 22 - column 5, line 36 *	4,5,8,9	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-07-1983	Examiner DRYSDALE N.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	GB-A- 804 333 (DEDOW & KING) * Figures 1,2; page 2, lines 4-68 *	7	
A	GB-A-1 439 598 (ABBOTT & SMITH) * Figure 1a; page 2, lines 107-125 * -----	4,7	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
Place of search THE HAGUE		Date of completion of the search 15-07-1983	Examiner DRYSDALE N.
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